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PRODUCT SPECIFICATION

.093 SERIES PLUG AND RECEPTACLE POWER CONNECTORS

1.0 SCOPE

This Product Specification covers the 5.03 mm (.198 inch) centerline connector series using pin and socket terminals terminated with 14 to 24 AWG wire using crimp technology with tin plating.

2.0 PRODUCT DESCRIPTION

2.1 PRODUCT NAME AND SERIES NUMBER(S)

PRODUCT NAME	SERIES NUMBER
Plug Housing, 1-circuit	1619-1P
Receptacle Housing, 1-circuit	1619-1R
Plug Housing, 2-circuit	1545-P*
Receptacle Housing, 2-circuit	1545-R*
Plug Housing, 3-circuit	1396-P*
Receptacle Housing, 3-circuit	1396-R*
Plug Housing, 4-circuit (in-line)	1490-P*
Receptacle Housing, 4-circuit (in-line)	1490-R*
Plug Housing, 4-circuit (2 x 2)	2163-P*
Receptacle Housing, 4-circuit (2 x 2)	2163-R*
Plug Housing, 5-circuit	1653-P*
Receptacle Housing, 5-circuit	1653-R*
Plug Housing, 6-circuit	1261-P*
Receptacle Housing, 6-circuit	1261-R*
Plug Housing, 9-circuit	1292-P*
Receptacle Housing, 9-circuit	1292-R*
Plug Housing, 12-circuit	1360-P*
Receptacle Housing, 12-circuit	1360-R*
Socket Terminal, 14-18 AWG	1189
Pin Terminal, 14-18 AWG	1190
Socket Terminal, 18-22 AWG	1380
Pin Terminal, 18-22 AWG	1381
Socket Terminal, 22-24 AWG	2870
Pin Terminal, 22-24 AWG	2871
Socket Terminal, 14-18 AWG, (P-B)	4550
Socket Terminal, 18-22 AWG, (P-B)	2151

2.2 DIMENSIONS, MATERIALS, PLATINGS AND MARKINGS

Housings are molded of UL 94V-2 rated PA66.
Terminals are tin-plated brass or phosphor-bronze.
See appropriate sales drawings for additional information on dimensions, materials, platings and markings.

2.3 SAFETY AGENCY APPROVALS

UL File #E29179
CSA File #E29179
TUV License #R75107

3.0 APPLICABLE DOCUMENTS AND SPECIFICATIONS

See the appropriate sales drawings for necessary referenced documents and specifications.

4.0 RATINGS

4.1 VOLTAGE

250 Volts AC (RMS)

4.2 CURRENT AND APPLICABLE WIRES

AWG	Circuit Size	Amps
14	3	14
14	9	11
18	3	10
18	9	7
22	3	7
22	9	5

4.3 TEMPERATURE

Operating: - 55°C to + 105°C

5.0 PERFORMANCE

5.1 ELECTRICAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
1	**Contact Resistance (Low Level)**	Mate connectors: apply a maximum voltage of **20** mV and a current of **20** mA. (Measurement locations in Section 7.0)	**10** milliohms MAXIMUM [initial]
2	**Dielectric Withstanding Voltage**	Mate connectors: apply a voltage of **2000** VAC for **1** minute between adjacent terminals and between terminals to ground.	No breakdown; current leakage < **500** mA
3	**Temperature Rise (via Current Cycling)**	Mate connectors, measuring the temperature rise at 60 minute intervals during **96** hours of steady state at rated current; followed by **240** hours of current cycling (**45** minutes ON and **15** minutes OFF per hour) with measurements made during last 5 minute period of each ON cycle; followed by **96** hours of steady state at rated current with measurements taken at 60 minute intervals.	Temperature rise: **+30**°C MAXIMUM

5.2 MECHANICAL REQUIREMENTS

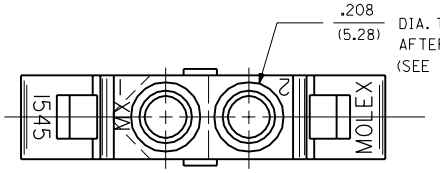
ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
4	**Connector Mate and Unmate Forces**	Mate and unmate connector (male to female) at a rate of **25 ± 6** mm (**1 ± ¼** inch) per minute for a total of 25 cycles. Initial mate forces to be measured. Unmate forces to be measured after 25 cycles.	**15.6** N (**3.5** lbf) MAXIMUM insertion force **4.4** N (**1** lbf) MINIMUM withdrawal force
5	**Terminal Retention Force (in Housing)**	Axial pullout force on the terminal in the housing at a rate of **25 ± 6** mm (**1 ± ¼** inch) per minute.	**89** N (**20** lbf) MINIMUM retention force
6	**Wire Pullout Force (Axial)**	Apply an axial pullout force on the wire at a rate of **25 ± 6** mm (**1 ± ¼** inch).	MINIMUM pullout forces: 14 AWG **178** N (**40** lbf) 16 AWG **156** N (**35** lbf) 18 AWG **133** N (**30** lbf) 20 AWG **89** N (**20** lbf) 22 AWG **62** N (**14** lbf) 24 AWG **36** N (**8** lbf)
7	**Terminal Insertion Force (into Housing)**	Apply an axial insertion force on the terminal at a rate of **25 ± 6** mm (**1 ± ¼** inch).	**22**N (**5** lbf) MAXIMUM insertion force

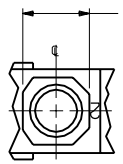
5.3 ENVIRONMENTAL REQUIREMENTS

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
8	**Thermal Cycling**	Mate connectors; expose to temperature cycling between **–25**°C and **70**°C for 500 cycles with a dwell time of 30 minutes at each extreme. Measurements to be taken initially and after every 100 cycles.	**10** milliohms MAXIMUM (change from initial) & Visual: No Damage

6.0 PACKAGING

Parts shall be packaged to protect against damage during handling, transit and storage. See the appropriate sales drawings for additional information on packaging requirements.





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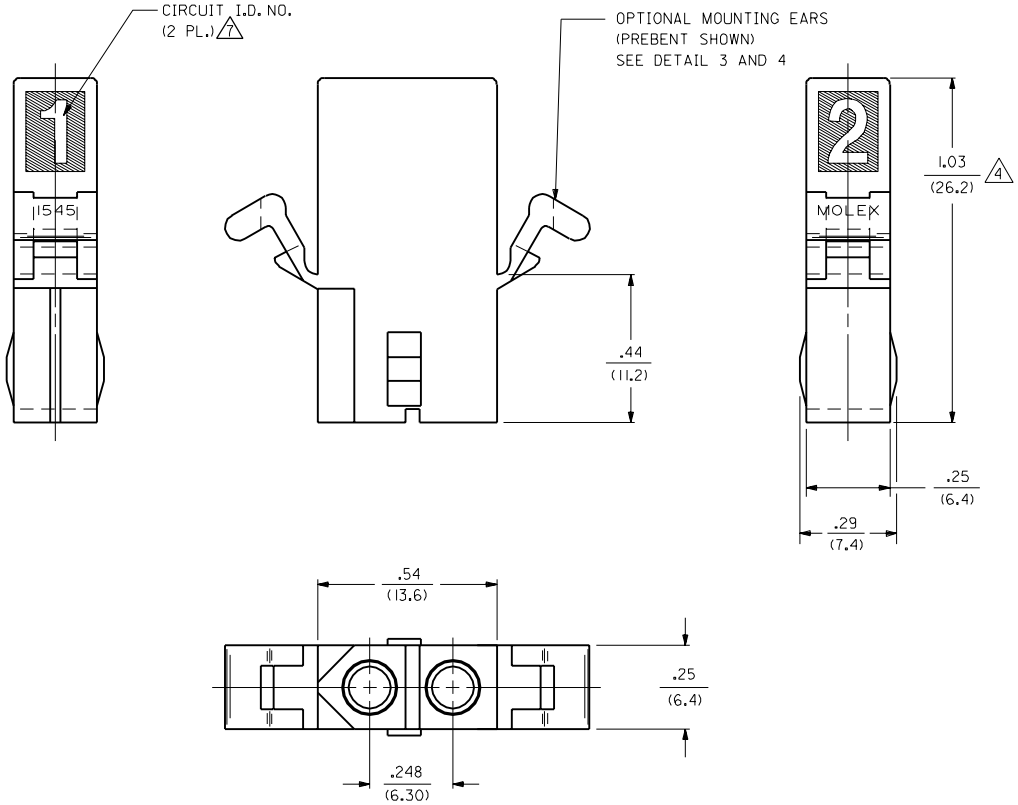
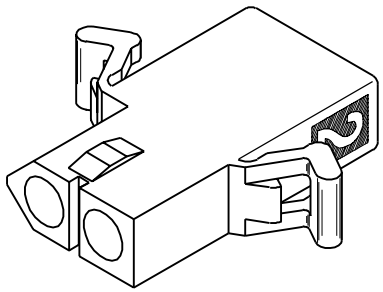




RECEPTACLE

LTR.	REVISIONS	LTR.	REVISIONS
		T	SEE SHT. 1
		S	SEE SHT. 1
		R	SEE SHT. 1

DIMENSIONS SHOWN (METRIC) INCH

UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 0°30' | 0

	INCH	METRIC
3 PLACE	± .010	---
2 PLACE	± .014	± 0.25
1 PLACE	---	± 0.35

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DRWG. BY GEP | CHK'D. BY RW | APP'D. BY RAS | SCALE 4 : 1

▽ = 0 ▼ = 0 REVISE ONLY ON CAD SYSTEM

TITLE: .093/(2.36) HOUSING, PLUG AND RECEPTACLE, 2 CKT. .248/(6.30) CTR.

molex MOLEX INCORPORATED LISLE,ILL. 60532 U.S.A. | SHEET NO. 2 | DATE 8/ 9/88

PART NO. SEE CHART | DRWG. NO. SD-1545-•

FILE NAME S1545X2 DGN

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

DIV. | SIZE C

PLUG	
PART NO.	ENG. NO.
03-09-2021	1545-P
03-09-2022	1545-P1
03-09-7021	1545-PBK
03-09-7022	1545-P1BK
03-09-2023	1545-P2
03-09-7024	1545-P1RD
03-09-7023	1545-P1BU

RECEPTACLE		
PART NO.	ENG. NO.	
03-09-1021	1545-R	**OBSOLETE**
03-09-6021	1545-R3BK	
03-09-6023	1545-R3RD	
03-09-6024	1545-R3BU	
03-09-1022	1545-R1	
03-09-6022	1545-R1BK	**OBSOLETE**
03-09-1023	1545-R2	
03-09-6025	1545-R1BU	
03-09-6026	1545-R1RD	**OBSOLETE**
03-09-1027	1545-R3	

LEGEND : PLUG

1545-P✱✱✱-✱

OPTIONS:
BLANK = WITH STD. EARS
1 = WITHOUT EARS
2 = WITH PREBENT EARS

COLOR: BLANK=NATURAL COLOR
AM=AMBER BK=BLACK BU=BLUE
BN=BROWN GY=GRAY GN=GREEN
OR=ORANGE RD=RED YW=YELLOW

BLANK = MATERIAL CODE A

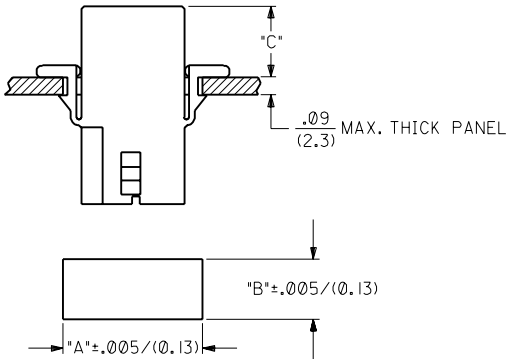
LEGEND : RECEPTACLE

1545-R✱✱✱-✱

BLANK = WITH STD. EARS & RAMPS
1 = WITHOUT EARS, WITH RAMPS
2 = WITHOUT EARS, WITHOUT RAMPS
3 = WITH PREBENT EARS & RAMPS

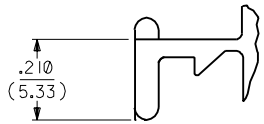
COLOR: BLANK=NATURAL COLOR
AM=AMBER BK=BLACK BU=BLUE
BN=BROWN GY=GRAY GN=GREEN
OR=ORANGE RD=RED YW=YELLOW

BLANK = MATERIAL CODE A



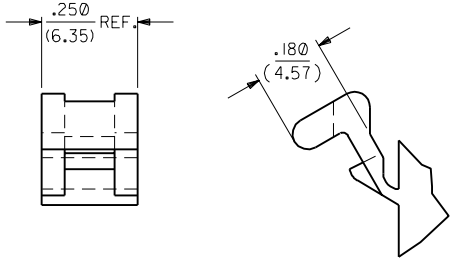
RECOMMENDED PANEL OPENING

(SCALE 2:1)



DETAIL 3

.093/(2.36) STANDARD MOUNTING EAR
(SCALE 4:1)



DETAIL 4

.093/(2.36) PREBENT MOUNTING EAR
(SCALE 4:1)

HOUSING	DIM. "A"	DIM. "B"	DIM. "C" (PREBENT)	DIM. "C" (STD. EAR)
PLUG	.800/(20.32)	.375/(9.53)	.40/(10.2)	.39/(9.9)
RECEPTACLE	.725/(18.42)	.312/(7.92)	.41/(10.4)	.40/(10.2)

NOTES:

1. MATERIAL: A - NYLON, PA66, 94V-2. COLOR: NATURAL.
2. FINISH: NONE.
3. PRODUCT SPECIFICATION: PS-02-09.
4. .97/(24.6) REF. FOR TOOLS BUILT PRIOR TO FEB. 1985.
5. 1.00/(25.4) REF. FOR TOOLS BUILT PRIOR TO FEB. 1985.
6. RIBS ARE PRESENT ONLY ON PARTS WITH MOUNTING EARS.
7. EACH TERMINAL POCKET WILL ACCEPT UP TO:
   (2) #18 AWG WIRES HAVING 1/32" THK. INSULATION OR
   (1) #16 AWG WIRE HAVING 1/16" THK. INSULATION OR
   (1) #16 AWG & (1) 18 AWG WIRE HAVING 1/32" THK. INSULATION .
8. CIRCUIT I.D. NUMBERS ON SIDE OF HOUSING APPEAR ON PARTS FROM TOOLS BUILT AFTER 11/25/91.

		T1	SEE SHT. 1	
		T	SEE SHT. 1	
		S1	SEE SHT. 1	GK
		S	SEE SHT. 1	GK
		R2	SEE SHT. 1	
U	SEE SHT. 1	R1	SEE SHT. 1	
T2	SEE SHT. 1	R	SEE SHT. 1	
LTR.	REVISIONS	LTR.	REVISIONS	

DIMENSIONS SHOWN (METRIC) INCH
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 2° | 0

	INCH	METRIC
3 PLACE	± .010	---
2 PLACE	± .014	± 0.25
1 PLACE	---	± 0.35

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DRWG. BY GEP | CHK'D. BY RW | APP'D. BY RAS | SCALE 2 : 1

▽ = 0 ▼ = 0 REVISE ONLY ON CAD SYSTEM

TITLE: .093/(2.36) HOUSINGS, PLUG AND RECEPTACLE, 2 CKT., .248/(6.30) CTR.

MOLEX INCORPORATED LISLE,ILL. 60532 U.S.A.

SHEET NO. 3 | DATE 8/9/88

PART NO. SEE CHART | DRWG. NO. SD-1545-✱

FILE NAME S1545X3.DGN

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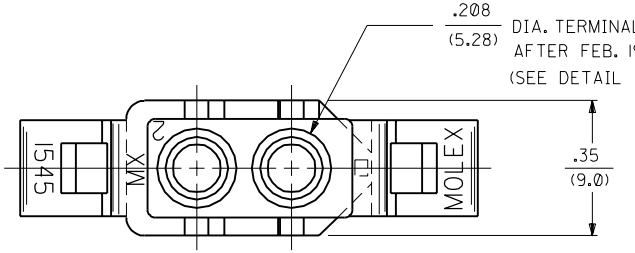
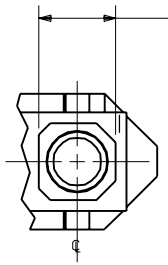
DIV. CP | SIZE C





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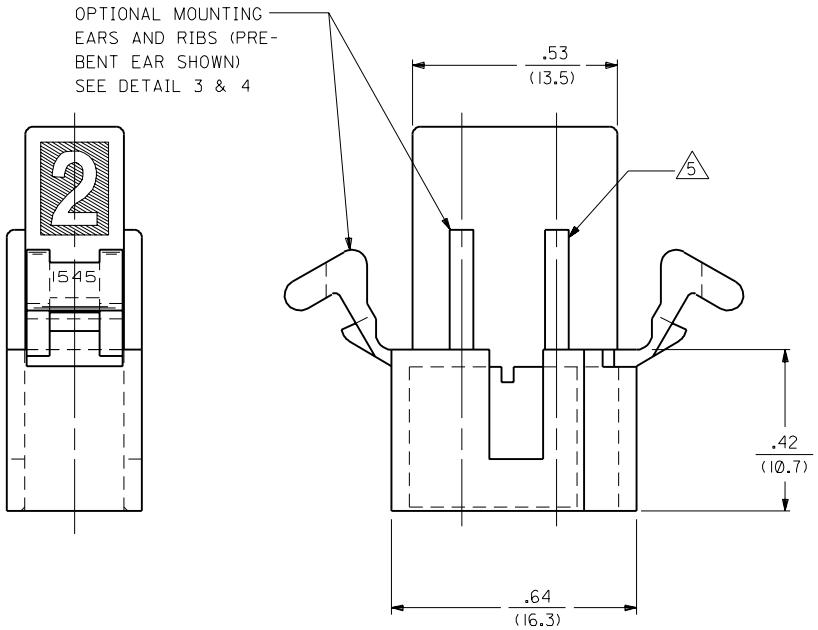

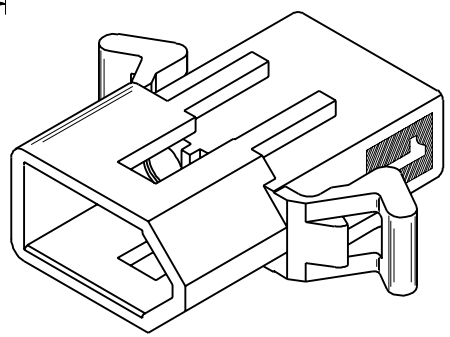

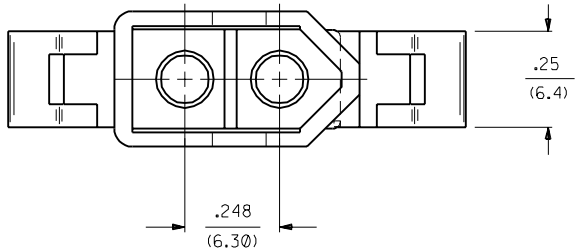

PLUG

3	U		
2	T		
1	U		
MFG.	SH.	REV.	LTR.	REVISIONS
		U	OBSOLETE P/N UCR2002-0270 COMERCI 01/9/25
		T2	UPDATE PER UCR2001-0729 JBS 2/8/01 BW
		T1	X-REMOVE -P2 ECR U6 0406 GC 9/29/95 RW
		T	REVISE PER ECN #U3 0571 4-14-93 RW
		S1	ADD EDP NUMBER ECR U2 1394 GC 9/18/92 RW
		S	REVISE PER ECR U1 2259 GC 11/26/91 RW
		R2	ADD WITH EDP NO. -R1RD, ERO 30382 GC 9/10/90 RW
		R1	ADDED WITH EDP'S -R1BU, ERO 27549 GEP 11-28-88
		R	REV. & REDRAWN ECR U8 1744 GEP 7-29-88 RW

1545

DIMENSIONS SHOWN (METRIC) INCH
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°

	INCH	METRIC
3 PLACE	± .010	---
2 PLACE	± .014	± 0.25
1 PLACE	---	± 0.35

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

REVISE ONLY ON CAD SYSTEM

TITLE: .093/(2.36) HOUSING, PLUG & RECEPTACLE, 2 CKT., .248/(6.30) CTR.

MOLEX INCORPORATED
LISLE, ILL. 60532 U.S.A.

SHEET NO. 1 OF 3 | DATE 8/9/88

PART NO. SEE CHART | DRWG. NO. SD-1545-*

DRWG. BY	CHK'D. BY	APP'D. BY	SCALE
GEP	RW	RAS	4 : 1

FILE NAME S1545X1.DGN

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DIV. CP | SIZE C

PLUG	
PART NO.	ENG. NO.
03-09-2021	1545-P
03-09-2022	1545-P1
03-09-7021	1545-PBK
03-09-7022	1545-P1BK
03-09-2023	1545-P2
03-09-7024	1545-P1RD
03-09-7023	1545-P1BU

RECEPTACLE		
PART NO.	ENG. NO.	
03-09-1021	1545-R	**OBSOLETE**
03-09-6021	1545-R3BK	
03-09-6023	1545-R3RD	
03-09-6024	1545-R3BU	
03-09-1022	1545-R1	
03-09-6022	1545-R1BK	**OBSOLETE**
03-09-1023	1545-R2	
03-09-6025	1545-R1BU	
03-09-6026	1545-R1RD	**OBSOLETE**
03-09-1027	1545-R3	

LEGEND : PLUG

1545-P✱✱✱-✱

OPTIONS:
BLANK = WITH STD. EARS
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COLOR: BLANK=NATURAL COLOR
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BN=BROWN GY=GRAY GN=GREEN
OR=ORANGE RD=RED YW=YELLOW

BLANK = MATERIAL CODE A

LEGEND : RECEPTACLE

1545-R✱✱✱-✱

BLANK = WITH STD. EARS & RAMPS
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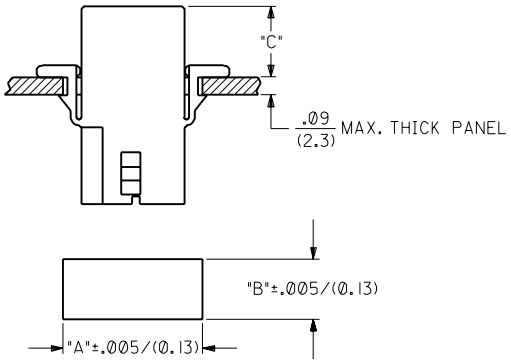
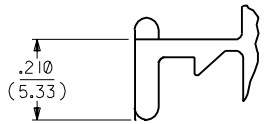


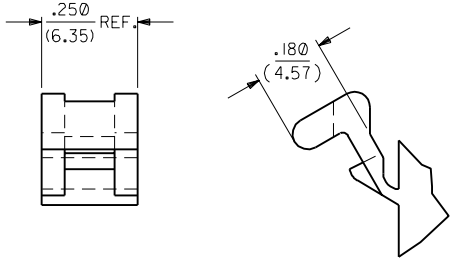
RECOMMENDED PANEL OPENING

(SCALE 2:1)



DETAIL 3

.093/(2.36) STANDARD MOUNTING EAR
(SCALE 4:1)



DETAIL 4

.093/(2.36) PREBENT MOUNTING EAR
(SCALE 4:1)

HOUSING	DIM. "A"	DIM. "B"	DIM. "C" (PREBENT)	DIM. "C" (STD. EAR)
PLUG	.800/(20.32)	.375/(9.53)	.40/(10.2)	.39/(9.9)
RECEPTACLE	.725/(18.42)	.312/(7.92)	.41/(10.4)	.40/(10.2)

NOTES:

1. MATERIAL: A - NYLON, PA66, 94V-2. COLOR: NATURAL.
2. FINISH: NONE.
3. PRODUCT SPECIFICATION: PS-02-09.
4. .97/(24.6) REF. FOR TOOLS BUILT PRIOR TO FEB. 1985.
5. 1.00/(25.4) REF. FOR TOOLS BUILT PRIOR TO FEB. 1985.
6. RIBS ARE PRESENT ONLY ON PARTS WITH MOUNTING EARS.
7. EACH TERMINAL POCKET WILL ACCEPT UP TO:
   (2) #18 AWG WIRES HAVING 1/32" THK. INSULATION OR
   (1) #16 AWG WIRE HAVING 1/16" THK. INSULATION OR
   (1) #16 AWG & (1) 18 AWG WIRE HAVING 1/32" THK. INSULATION .
8. CIRCUIT I.D. NUMBERS ON SIDE OF HOUSING APPEAR ON PARTS FROM TOOLS BUILT AFTER 11/25/91.

		T1	SEE SHT. 1	
		T	SEE SHT. 1	
		S1	SEE SHT. 1	GK
		S	SEE SHT. 1	GK
		R2	SEE SHT. 1	
U	SEE SHT. 1	R1	SEE SHT. 1	
T2	SEE SHT. 1	R	SEE SHT. 1	
LTR.	REVISIONS	LTR.	REVISIONS	

DIMENSIONS SHOWN (METRIC) INCH
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 2° | 0

	INCH	METRIC
3 PLACE	± .010	---
2 PLACE	± .014	± 0.25
1 PLACE	---	± 0.35

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DRWG. BY GEP | CHK'D. BY RW | APP'D. BY RAS | SCALE 2 : 1

▽ = 0 ▼ = 0 REVISE ONLY ON CAD SYSTEM

TITLE: .093/(2.36) HOUSINGS, PLUG AND RECEPTACLE, 2 CKT., .248/(6.30) CTR.

MOLEX INCORPORATED LISLE,ILL. 60532 U.S.A.

SHEET NO. 3 | DATE 8/9/88

PART NO. SEE CHART | DRWG. NO. SD-1545-✱

FILE NAME S1545X3.DGN

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DIV. CP | SIZE C

PART NO.	ENG. NO.
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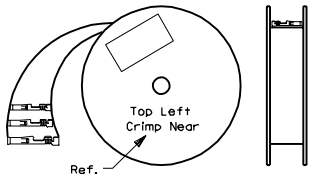
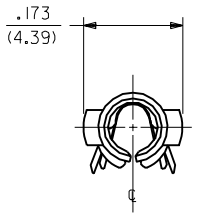
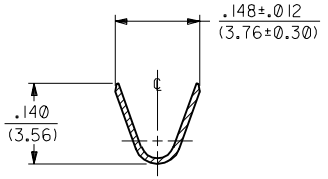
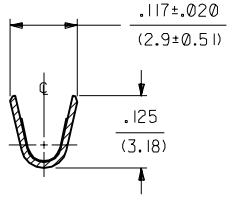


REWOUND CHAIN

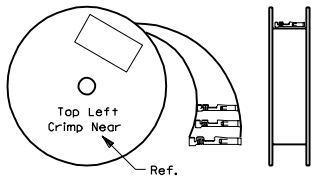




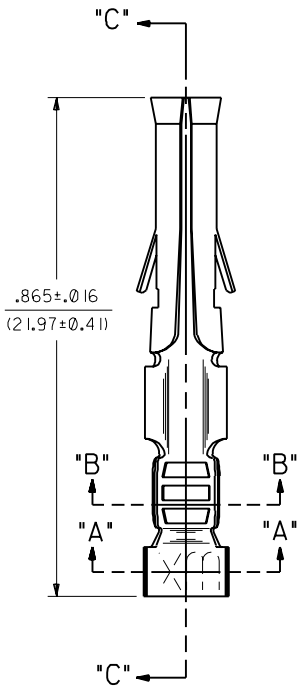
SECT. "A-A"

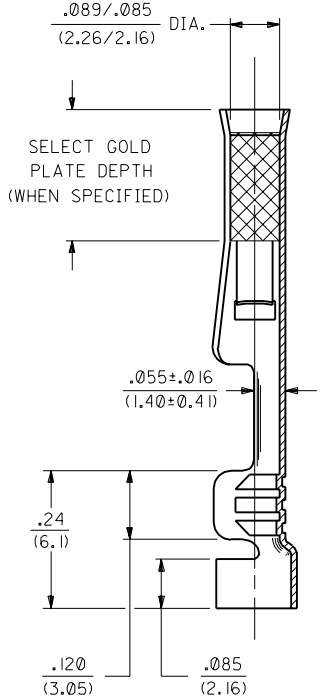


SECT. "B-B"

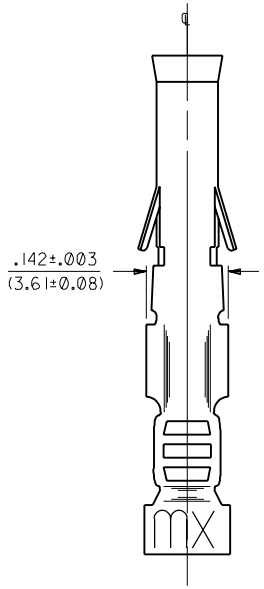


STANDARD CHAIN





SECT. "C-C"



LEGEND

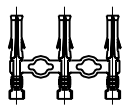
1381-A(****)*

- P = PREPLATE, BLANK = POSTPLATE
- FINISH CODE
- FORM
  - BLANK = STD. CHAIN
  - A = REWOUND CHAIN
  - 1 = STD. CHAIN WITH INTERLEAF PAPER
  - L = LOOSE

NOTES:

1. MATERIAL: BRASS, ALLOY #26000
2. FINISH:
   - 901 HOT TIN DIP .000020/(0.00051) MIN.
   - 914 HOT TIN-LEAD DIP .000040/(0.00102) MIN.
   - 102 TIN PLATE .000200/(0.00508) MIN. OVER .000100/(0.00254) MIN. COPPER OVERALL.
   - 575 SELECT GOLD PLATE .000050/(0.00127) MIN. IN CONTACT AREA, .000050/(0.00127) MIN. TIN-LEAD IN CRIMP AREA OVER .000050/(0.00127) MIN. NICKEL OVERALL.
   - 591 SELECT GOLD PLATE .000050/(0.00127) MIN. IN CONTACT AREA, OVER .000050/(0.00127) MIN. NICKEL OVERALL WITH .000010/(0.00025) MAX. GOLD FLASH OVERALL.
   - 550 SELECT GOLD PLATE .000015/(0.00038) MIN. IN CONTACT AREA, OVER .000030/(0.00076) MIN. NICKEL OVERALL WITH .000010/(0.00025) MAX. GOLD FLASH OVERALL.
   - 603 SELECT GOLD PLATE .000030/(0.00076) MIN. IN CONTACT AREA, .000100/(0.00254) MIN. TIN-LEAD IN CRIMP AREA OVER .000050/(0.00127) MIN. NICKEL OVERALL WITH .000010/(0.000025) MAX. SELECT GOLD FLASH.
3. THIS PART CONFORMS TO PRODUCT SPECIFICATION 02-09.
4. TERMINAL FOR USE WITH .093/(2.36) SERIES HOUSINGS AND WILL ACCEPT 18-22 AWG WIRE
5. INSERTION FORCE: 3.5 LBS. MAX. WHEN TERMINAL IS INSERTED INTO AN .093 SERIES HOUSING.
6. TERMINAL RETENTION: 20 LBS. MIN. FROM HOUSING.

CHAIN FORM
FULL SCALE



MFG.	SH.	REV.	LTR.	REVISIONS
		BV		ADD -A(P901)1 ECN#2001-0905 4/5/01 BW
		BU		OBS. VER'S. PER ECR U6 0543 GVC 11/2/95 RW
		BT		REVISE PER ECR U5 0799 GVC 2/10/95 RW
		BS		CARRIER CUTOFF ECR #U10223 1-4-91 RW
		BR		FINAL REL. (P575) ERO 28218 GEP 4-12-89 RW
		BP		REV. & REDRAWN ECR 10480 GEP 11-6-87 RW

DIMENSIONS SHOWN (METRIC) INCH
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°

	INCH	METRIC
3 PLACE	± .010	---
2 PLACE	± .014	± 0.25
1 PLACE	---	± 0.35

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

▽ = 0 ▼ = 0 REVISE ONLY ON CAD SYSTEM

TITLE: CRIMP TERM., FEMALE .093/(2.36) DIA. FOR 18 THRU 22 AWG WIRE

MOLEX INCORPORATED, LISLE, ILL. 60532 U.S.A.

SHEET NO.: 1 OF 1 | DATE: 11/6/87

PART NO.: SEE CHART | DRWG. NO.: SD-1381-*

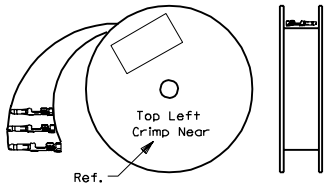
DRWG. BY	CHK'D. BY	SCALE
GEP	RW	6 : 1
APP'D. BY: RAS		

FILE NAME: SD1381X1.DGN

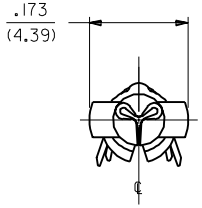
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

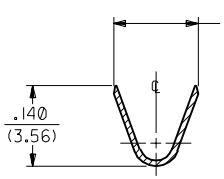
DIV.: CP | SIZE: C

PART NO.	ENG. NO.
02-09-2118	1380-(P901)L
02-09-2116	1380-(P901)
02-09-2127	1380-(P901)I
02-09-2156	1380-(P914)L
02-09-2157	1380-(P914)
NOT TOOLED	1380-(563)L
02-09-6135	1380-(563)
02-09-6126	1380-(591)L
02-09-6125	1380-(591)
02-09-6124	1380-(558)L
02-09-6121	1380-(558)
02-09-6123	1380-(550)L
02-09-6122	1380-(550)
NOT TOOLED	1380-(603)L
02-09-6136	1380-(603)
02-09-2159	1380-(P914)A
02-09-2147	1380-(102)L
02-09-2148	1380-(102)
02-09-2119	1380-A(P901)L
02-09-2117	1380-A(P901)

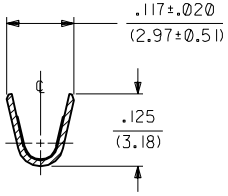


REWOUND CHAIN

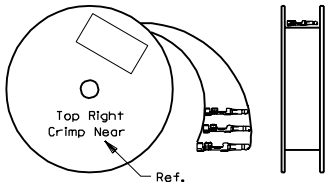




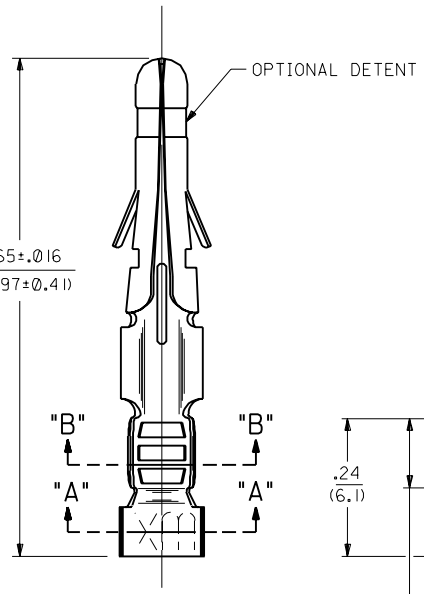
SECT. "A-A"

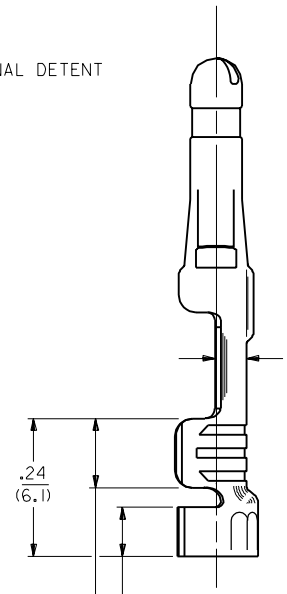


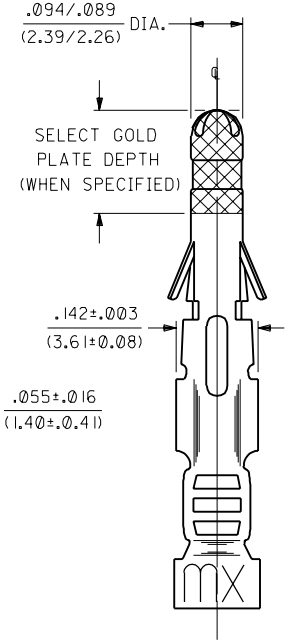
SECT. "B-B"



STANDARD CHAIN







LEGEND

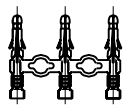
1380-*(****)*

- OPTIONAL DETENT: BLANK = WITH DETENT; A = WITHOUT DETENT
- FORM: BLANK = STD. CHAIN; A = REWOUND CHAIN; L = LOOSE; I = STD. CHAIN WITH INTERLEAF PAPER
- FINISH CODE
- P = PREPLATE; BLANK = POSTPLATE

NOTES:

1. MATERIAL: BRASS, ALLOY #C26000
2. FINISH:
   - 901 HOT TIN DIP .000020/(0.00051) MIN.
   - 914 HOT TIN-LEAD DIP .000040/(0.00102) MIN.
   - 102 TIN PLATE .000200/(0.00508) MIN. OVER .000100/(0.00254) MIN. COPPER OVERALL.
   - 558 SELECT GOLD PLATE .000030/(0.00076) MIN. IN CONTACT AREA, OVER .000050/(0.00127) MIN. NICKEL OVERALL WITH .000010/(0.00025) MAX. GOLD FLASH OVERALL.
   - 591 SELECT GOLD PLATE .000050/(0.00127) MIN. IN CONTACT AREA, OVER .000050/(0.00127) MIN. NICKEL OVERALL WITH .000010/(0.00025) MAX. GOLD FLASH OVERALL.
   - 550 SELECT GOLD PLATE .000015/(0.00038) MIN. IN CONTACT AREA, OVER .000030/(0.00076) MIN. NICKEL OVERALL WITH .000010/(0.00025) MAX. GOLD FLASH OVERALL.
   - 563 SELECT GOLD PLATE .000030/(0.00076) MIN. IN CONTACT AREA, .000100/(0.00254) MIN. TIN-LEAD IN CRIMP AREA OVER .000050/(0.00127) MIN. NICKEL OVERALL.
   - 603 SELECT GOLD PLATE .000030/(0.00076) MIN. IN CONTACT AREA, .000100/(0.00254) MIN. TIN-LEAD IN CRIMP AREA OVER .000050/(0.00127) MIN. NICKEL OVERALL WITH .000010/(0.00025) MAX. SELECT GOLD FLASH.
3. THIS PART CONFORMS TO PRODUCT SPECIFICATION 02-09.
4. TERMINAL FOR USE WITH .093/(2.36) SERIES HOUSINGS AND WILL ACCEPT 18 THRU 22 AWG
5. INSERTION FORCE: 3.5 LBS. MAX. WHEN TERMINAL IS INSERTED INTO AN .093 SERIES HOUSING.
6. TERMINAL RETENTION: 20 LBS. MIN. FROM HOUSING.

CHAIN FORM
FULL SCALE



MFG.	SH.	REV.	LTR.	REVISIONS
		BT		ADD -(P901)I ECN #2001-0905 4-4-01 BW
		BS1		REVISED ECN# UCR1999-0518 STAMBAUGH 99-2-9
		BS		CARRIER CUTOFF ECR #UI0223 1-4-91 RW
		BR		ADDED OPT. DETENT ECR U8 1706 GEP 7-15-88 RW
		BP		REV. & REDRAWN ECR 10480 GEP 11-6-87 RW

DIMENSIONS SHOWN (METRIC) INCH
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°

	INCH	METRIC
3 PLACE	± .010	---
2 PLACE	± .014	± 0.25
1 PLACE	---	± 0.35

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

▽ = 0 ▼ = 0 REVISE ONLY ON CAD SYSTEM

TITLE: CRIMP TERMINAL, MALE .093/(2.36) DIA. FOR 18 THRU 22 AWG WIRE

MOLEX INCORPORATED LISLE, ILL. 60532 U.S.A.

SHEET NO. 1 OF 1 | DATE 11/6/87

PART NO. SEE CHART | DRWG. NO. SD-1380-*

DRWG. BY	CHK'D. BY	FILE NAME
GEP	RW	SD1380X1
APP'D. BY	SCALE	DIV.
RAS	6 : 1	CP

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SIZE C